

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062322\
 Data File : VD073677.D
 Acq On : 23 Jun 2022 20:39
 Operator : VA/SY
 Sample : N3214-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jun 24 07:28:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:23:55 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/30/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	184229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	313047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	297747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	146432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	117458	51.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.820%			
35) Dibromofluoromethane	7.909	113	119966	49.194	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.332	98	397046	45.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.700%			
62) 4-Bromofluorobenzene	12.620	95	144303	43.941	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	5864	3.151	ug/l	99
3) Chloromethane	2.209	50	4636	2.756	ug/l	98
4) Vinyl Chloride	2.338	62	4483	2.701	ug/l	97
5) Bromomethane	2.774	94	4187	3.279	ug/l	99
6) Chloroethane	2.921	64	3109	2.782	ug/l	90
7) Trichlorofluoromethane	3.268	101	11524	2.969	ug/l	91
8) Diethyl Ether	3.703	74	2809	2.822	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.097	101	6858	3.080	ug/l	94
10) Methyl Iodide	4.291	142	5643	2.663	ug/l #	94
11) Tert butyl alcohol	5.168	59	21439	42.612	ug/l #	100
12) 1,1-Dichloroethene	4.056	96	5465	2.887	ug/l	97
13) Acrolein	3.926	56	206m	5.388	ug/l	
14) Allyl chloride	4.715	41	7178	2.572	ug/l	98
15) Acrylonitrile	5.415	53	6216	13.047	ug/l	99
16) Acetone	4.156	43	6875	17.202	ug/l	99
17) Carbon Disulfide	4.409	76	12612	2.640	ug/l	99
18) Methyl Acetate	4.721	43	4611	3.740	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	12263	2.487	ug/l	99
20) Methylene Chloride	4.956	84	15847	5.452	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	5831	2.589	ug/l #	81
22) Diisopropyl ether	6.362	45	13970	2.229	ug/l #	86
23) Vinyl Acetate	6.297	43	31518m	9.594	ug/l	
24) 1,1-Dichloroethane	6.262	63	10343	2.478	ug/l #	91
25) 2-Butanone	7.209	43	8911	15.627	ug/l #	84
26) 2,2-Dichloropropane	7.197	77	11833	3.010	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	6798	2.567	ug/l	86
28) Bromochloromethane	7.532	49	4591	3.117	ug/l #	87
29) Tetrahydrofuran	7.562	42	4085	11.784	ug/l #	81
30) Chloroform	7.703	83	12086	2.573	ug/l #	80
31) Cyclohexane	7.973	56	11529	3.396	ug/l #	76
32) 1,1,1-Trichloroethane	7.897	97	11979	2.839	ug/l	99
36) 1,1-Dichloropropene	8.109	75	8507	2.485	ug/l	95
37) Ethyl Acetate	7.291	43	3124	2.325	ug/l #	74
38) Carbon Tetrachloride	8.091	117	10457	2.624	ug/l #	81
39) Methylcyclohexane	9.350	83	8904	2.343	ug/l	95
40) Benzene	8.344	78	24514	2.474	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	1775	2.188	ug/l #	77
42) 1,2-Dichloroethane	8.414	62	8328	2.789	ug/l	98
43) Isopropyl Acetate	8.438	43	6501	2.466	ug/l #	80
44) Trichloroethene	9.103	130	6752	2.372	ug/l	84
45) 1,2-Dichloropropane	9.379	63	5904	2.376	ug/l	92
46) Dibromomethane	9.467	93	3514	2.436	ug/l	97
47) Bromodichloromethane	9.656	83	9365	2.477	ug/l #	96
48) Methyl methacrylate	9.456	41	3225	2.410	ug/l	89
49) 1,4-Dioxane	9.444	88	613	38.066	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	15248	11.255	ug/l	95
52) Toluene	10.397	92	15746	2.425	ug/l	94
53) t-1,3-Dichloropropene	10.608	75	8006	2.328	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	8618	2.201	ug/l	95
55) 1,1,2-Trichloroethane	10.785	97	4955	2.437	ug/l #	84
56) Ethyl methacrylate	10.656	69	4410	1.925	ug/l	98
57) 1,3-Dichloropropane	10.932	76	7406	2.209	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	10760	12.100	ug/l	97
59) 2-Hexanone	10.973	43	10367	11.334	ug/l	97
60) Dibromochloromethane	11.132	129	6991	2.609	ug/l	96
61) 1,2-Dibromoethane	11.238	107	5142	2.672	ug/l	100
64) Tetrachloroethene	10.867	164	7100	3.012	ug/l	92
65) Chlorobenzene	11.661	112	19373	2.658	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	7566	2.584	ug/l	95
67) Ethyl Benzene	11.732	91	29181	2.295	ug/l	95
68) m/p-Xylenes	11.844	106	21667	4.409	ug/l	93
69) o-Xylene	12.173	106	9610	2.108	ug/l	100
70) Styrene	12.185	104	15799	1.981	ug/l	98
71) Bromoform	12.350	173	3664	2.299	ug/l #	94
73) Isopropylbenzene	12.467	105	25651	2.145	ug/l	97
74) N-amyl acetate	12.279	43	4787	1.957	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	5835	2.587	ug/l	99
76) 1,2,3-Trichloropropane	12.761	75	4204m	2.950	ug/l	
77) Bromobenzene	12.749	156	7350	2.556	ug/l	91
78) n-propylbenzene	12.808	91	34372	2.352	ug/l	99
79) 2-Chlorotoluene	12.891	91	20789	2.442	ug/l	97
80) 1,3,5-Trimethylbenzene	12.944	105	20563	2.006	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.514	75	1370m	1.963	ug/l	
82) 4-Chlorotoluene	12.991	91	20481	2.263	ug/l	96
83) tert-Butylbenzene	13.208	119	18431	2.045	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	20576	2.043	ug/l	93
85) sec-Butylbenzene	13.385	105	28176	2.126	ug/l	99
86) p-Isopropyltoluene	13.502	119	22729	2.060	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	15881	2.652	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	16339	2.757	ug/l	92
89) n-Butylbenzene	13.826	91	23272	2.253	ug/l	97
90) Hexachloroethane	14.096	117	5488	2.413	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	12730	2.471	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1000	2.655	ug/l	77
93) 1,2,4-Trichlorobenzene	15.149	180	7068	2.297	ug/l	94
94) Hexachlorobutadiene	15.249	225	5103	2.925	ug/l	95
95) Naphthalene	15.379	128	10981	1.996	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	6567	2.443	ug/l	94

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

